

CLAIMS

It is claimed:

1. An assembly mounted within an enclosure for moving a load with respect to said enclosure,

said assembly comprising:

a shaft mounted within said moveable enclosure so as to be rotatable with respect to said enclosure;

a beam mounted to said shaft and extending outwardly from said shaft;

a first pivotal connection for said beam at a beam end portion of said beam distal said shaft;

an arm secured to said first pivotal connection such that said arm is pivotal with respect to said beam;

an extension member mounted with respect to said beam;

a second pivotal connection for said extension member at an end portion of extension member, said arm being secured to said second pivotal connection such that said extension member controls a relative angle formed between said beam and said arm as said shaft rotates; and

a winch secured with respect to said arm for lifting said load.

2. The assembly of claim 1, further comprising an upper pivot connection for pivotally

connecting an upper end of said shaft to an upper side of said enclosure, and a lower pivot connection for connecting a lower end of said shaft to a lower side of said enclosure.

3. The assembly of claim 1, further comprising a length adjustment operable for controlling
a

length of said extension member.

4. The assembly of claim 3, wherein said length adjustment is manually adjustable.

5. The assembly of claim 3, wherein said length adjustment is motorized.

6. The assembly of claim 1, wherein said winch is carried by an end portion of said arm.

7. The assembly of claim 1, further comprising a support bracket mounted to said shaft and
said beam.

8. The assembly of claim 1, further comprising a length adjustment operable for controlling
a

length of said beam.

9. The assembly of claim 1, further comprising a length adjustment operable for controlling
a length of said arm.

10. An assembly mounted within an enclosure of a transport for moving a load with respect to

said enclosure, said assembly comprising:

a shaft mounted within said moveable enclosure so as to be rotatable with respect to said enclosure;

a boom mounted to said shaft, said boom having a variable length such that a length of said boom is variable as said shaft rotates; and

a winch carried by said boom for lifting said load such that as said shaft rotates said length of said boom is variable to control a path of movement of said load.

11. The assembly of claim 10, wherein said boom further comprises:

a beam mounted to said shaft and extending outwardly from said shaft;

an arm pivotally secured with respect to said beam; and

an extension member adjacent to said beam, said extension member being pivotally secured to said arm such that said extension member constrains said arm to pivot with respect to said beam as said shaft rotates..

12. The assembly of claim 11, further comprising a lower pivot connection for pivotally connecting a lower end of said shaft to a lower side of said enclosure.

13. The assembly of claim 11, further comprising a length adjustment operable for controlling

a length of said extension member.

14. The assembly of claim 11, further comprising a length adjustment operable for controlling

a length of said beam.

15. The assembly of claim 11, further comprising a length adjustment operable for controlling a length of said arm.

16. A method for moving a load into an enclosed vehicle, comprising:

supporting a cable or nylon strap with an arm;

lifting said load with said cable or nylon strap;

rotating a shaft connected to said arm to thereby move said load along a substantially straight path either into or out of said enclosed vehicle.

17. The method of claim 16, further comprising pivotally connecting said arm to a beam.

18. The method of claim 17, further comprising varying an angle between said arm and said beam while rotating said shaft.

19. The method of claim 18, further comprising pivotally connecting an extension member to

said arm, and utilizing said extension member to vary said angle between said arm and said beam while rotating said shaft.

20. The method of claim 19, further comprising controlling a distance between said substantially

straight path and said shaft by adjusting a length of said extension member or said beam or said arm.